

S/N 09/751,808



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PATENT

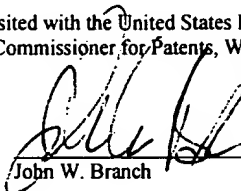
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kukic Examiner: Unknown
Serial No.: 09/751,808 Group Art Unit: 2661
Filed: December 29, 2000 Docket No.: NC30318
New Docket No.: 50072.13US01
Title: PORT SWAPPING FOR INVERSE MULTIPLEXED DIGITAL
SUBSCRIBER LINES

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on

April 25, 2002


John W. Branch

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REVOCATION AND POWER OF ATTORNEY

MAY 10 2002

Commissioner for Patents
Washington, D.C. 20231

Technology Center 2600

Dear Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S.

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Pino, Mark J.	Reg. No. 43,858		
Prendergast, Paul	Reg. No. 46,068		
Pytel, Melissa J.	Reg. No. 41,512		

Please direct all correspondence in this application to John W. Branch, P.O. Box

2903, Minneapolis, MN 55402-0903, telephone 206.342.6200.

Dated: 2002/04/16

By: Eef

Eric Li-Juan

Director of IPR, Infrastructure



S/N 09/751,808

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Kukic
Serial No.: 09/751,808
Filed: December 29, 2000
Title: PORT SWAPPING FOR INVERSE MULTIPLEXED DIGITAL
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Examiner: Unknown
Group Art Unit: 2661
Old Docket No.: NC30318
New Docket No.: 50072.13US01

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CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

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Nokia Networks OY, a corporation organized and existing under and by virtue of the laws of the country of Finland, having a place of business at Keilalahdentie 4, 02150 Espoo, Finland, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of:

- A. ☒ An assignment from the inventor, of the patent application identified above. The assignment was recorded in the Patent and Trademark Office on March 19, 2001, at Reel 011669, Frame 0655, a copy is attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 2002/07/16

By: [Signature]
Name: Gökçe Elçi-Jurk
Title: Director of IPR Infrastructure



NC 30318



UNITED STATES DEPARTMENT OF COMMERCE
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JUNE 18, 2001

PTAS

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IRVING, TX 75039



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/19/2001

REEL/FRAME: 011669/0655
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KUKIC, BRANA

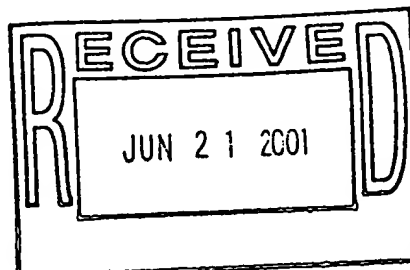
DOC DATE: 01/13/2001

ASSIGNEE:
NOKIA NETWORKS OY
KEILALAH DENTIE 4
02150 ESPOO, FINLAND

SERIAL NUMBER: 09751808
PATENT NUMBER:

FILING DATE: 12/29/2000
ISSUE DATE:

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Attorney's Docket No. NC30318

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☐ U.S. Provisional Application
For: ☒ U.S. Patent
For: ☒ PCT Application
By: ☒ Inventor(s) or ☐ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor or person or
entity who owns the
invention

Branan Kukic
[type or print name of ASSIGNOR]
6568 Bridgewood Dr
Address
Santa Rosa, CA 95409
Canada
Nationality

(if assignment is by person or entity to whom invention was previously assigned
and this was recorded in PTO, add the following)

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Reel _____

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hereby sells, assigns and transfers to

ASSIGNEE:

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[type or print name(s) of ASSIGNEE(S)]
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Address
02150 ESPOO
FINLAND
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

COPY

(complete one of the following)

- ☒ the entire right, title and interest
☐ an undivided _____ percent (____%) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:

Port Swapping for Inverse Multiplexed Digital Subscriber Lines

Name of inventor Brana Kukic

[check and complete (a), (b), (c), (d), (e), (f) or (g)]

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention.
☐ Express mail label no.: _____
Mailed: _____
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, the ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
(d) ☒ U.S. application no. 09/751,808 filed on December 29, 2000
(e) ☐ International application no. PCT/_____
(f) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(also check (g), if application(s) is also being assigned)
(g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

WARNING: The date of signing must be the date of execution of this application, if item (a) was checked above.

Date: JAN 19, 2001

Brana Kukic
Signature of ASSIGNOR Brana Kukic

(if ASSIGNOR is a legal entity, complete the following information)

(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

☐ Notarization or Legalization Page Added.